

# HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under<br/>37 C.F.R. 1.53(b))</small> | Attorney Docket No.                            | 0100.1019-018         |
|  | First Named Inventor or Application Identifier | Michael D. Borenstein |
|  | Express Mail Label No.                         | EV 214914919 US       |

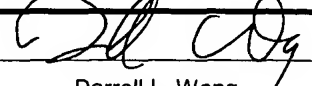
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| Title of Invention | APPARATUS AND METHODS FOR HEAT LOSS PRESSURE MEASUREMENT |
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| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b><br>Mail Stop Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
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| 1. <input checked="" type="checkbox"/> Fee Transmittal Form<br><i>(Submit an original, and a duplicate for fee processing)</i><br><br>2. <input checked="" type="checkbox"/> Specification <b>Total Pages [ 40 ]</b><br><i>(preferred arrangement set forth below)</i><br>- Descriptive title of the invention<br>- Cross References to Related Applications<br>- Statement Regarding Fed sponsored R & D<br>- Reference to sequence listing, a table, or a computer program listing appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings <i>(if filed)</i><br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure<br><br>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <b>Total Sheets [ 7 ]</b><br><input checked="" type="checkbox"/> Fig. of the Drawings for Publication [Fig. 7]<br><input type="checkbox"/> No Figure to be Published<br><br>4. <input checked="" type="checkbox"/> Oath or Declaration <b>Total Pages [ 2 ]</b><br>a. <input checked="" type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. 1.63(d))<br><i>(for continuation/divisional with Box 17 completed)</i><br>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u><br>Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).<br><br>5. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i> | 6. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i><br>a. <input type="checkbox"/> Computer Readable Form<br>b. <input type="checkbox"/> Paper Copy (identical to computer copy)<br>[    ] Pages<br>c. <input type="checkbox"/> Statements verifying identity of above copies<br><br><div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>ACCOMPANYING APPLICATION PARTS</b><br/>         7. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; documents)<br/>             <input checked="" type="checkbox"/> Assignee - Helix Technology Corporation<br/>                 Mansfield, Massachusetts<br/><br/>         8. <input type="checkbox"/> Power of Attorney      <input type="checkbox"/> 37 C.F.R. 3.73(b) Statement<br/><br/>         9. <input type="checkbox"/> English Translation Document <i>(if applicable)</i><br/><br/>         10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449      <input type="checkbox"/> Copies of IDS Citations<br/><br/>         11. <input type="checkbox"/> Preliminary Amendment<br/><br/>         12. <input checked="" type="checkbox"/> Return Receipt Postcard<br/><br/>         13. <input type="checkbox"/> Small Entity Statement(s)<br/><br/>         14a. <input type="checkbox"/> Foreign Priority Claim under 35 U.S.C. §119 or 365<br/><br/>         14b. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/><br/>         15. <input type="checkbox"/> Nonpublication Request <i>(check parent application)</i><br/><br/>         16. <input type="checkbox"/> Other _____       </div> |
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| 17. <b>If a CONTINUING APPLICATION</b> , check appropriate box; supply the requisite information.<br><br><input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application No.: 09/583,339<br><br>Prior application information:    Examiner: Alandra Ellington    Group Art Unit: 2855<br><br><b>The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference.</b><br><i>(Add standard Related Applications section with incorporation by reference to specification or update same)</i> |  |
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|                                   |   |           |                |          |                |
|-----------------------------------|---|-----------|----------------|----------|----------------|
| <b>18. CORRESPONDENCE ADDRESS</b> |   |           |                |          |                |
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|                                   | HAMILTON, BROOK, SMITH & REYNOLDS, P.C. |           |                |          |                |
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|                                       |   |             |           |
|---------------------------------------|---|-------------|-----------|
| Signature                             |  | Date        | 7/30/2002 |
| Submitted by<br>Typed or Printed Name | Darrell L. Wong   | Reg. Number | 36,725    |

22241 U.S. PTO  
10/630458

07/30/03

# HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

07/30/03  
155-9-9559

## FEE TRANSMITTAL FOR PATENT APPLICATIONS

Attorney Docket Number

0100.1019-018

Application Number

First Named Inventor

Michael D. Borenstein

22241 U.S. PTO  
10/6/0458

07/30/03

CLAIM CALCULATION (includes any preliminary amendment)

| CLAIMS | (1) FOR   | (2) NUMBER FILED | (3) NUMBER EXTRA | (4) RATE                             | (5) CALCULATIONS |
|--------|---|------------------|------------------|--------------------------------------|------------------|
|        | TOTAL CLAIMS<br>(37 CFR 1.16(c) or (j))   | 35 - 20* =       | 15               | x \$ 18 =                            | \$ 270           |
|        | INDEPENDENT CLAIMS<br>(37 CFR 1.16(b) or (i))   | 6 - 3** =        | 3                | x \$ 84 =                            | \$ 252           |
|        | MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))  |                  |                  | + \$ 280 =                           | \$               |
|        |   |                  |                  | BASIC FEE<br>(37 CFR 1.16(a) or (h)) | \$ 750           |
|        |   |                  |                  | Total of above Calculations =        | \$ 1272          |
|        | Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27, 1.28) =  |                  |                  |                                      | \$               |
|        | TOTAL =   |                  |                  |                                      | \$ 1272          |
|        | Surcharge - Late Filing of Declaration or Filing Fees (37 C.F.R. 1.16(e)) =                                     |                  |                  |                                      | \$               |
|        | Petition for Extension of Time Fee (37 C.F.R. 1.17) =   |                  |                  |                                      | \$               |
|        | Assignment Recordation Fee =<br>(only when filed with application)  |                  |                  |                                      | \$ 40            |
|        | [Other]   |                  |                  |                                      | \$               |
|        | * Reissue claims in excess of 20 and over original patent<br>** Reissue independent claims over original patent |                  |                  | TOTAL =                              | \$ 1312          |

1. Small entity status:

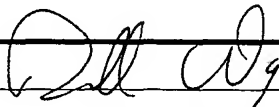
- a. ☐ A small entity statement is enclosed.
- b. ☐ A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.
- c. ☐ Is no longer claimed.

2. ☒ A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

3. ☒ A check is enclosed for \$1312. ☐ Please charge \$[ ] to Deposit Account No. 08-0380.

4. ☐ Other: \_\_\_\_\_

Signature



Date

7/30/2003

Submitted by  
Typed or Printed Name

Darrell L. Wong

Reg. Number

36,725